Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/26/2022 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124916	-1	1.22	124821	1.23
Blue	F	SSC	125000	122698	-2	2.51	123132	2.34
Blue	E	FITC	13602	13277	-3	2.25	373	13.69
Blue	D	PE	24891	24488	-2	1.68	583	9.86
Blue	B	PerCP-Cy5-5	33972	33094	-3	2.94	945	14.42
Blue	A	PE-Cy7	22865	22582	-2	4.88	474	30.55
Red	C	APC	47198	46539	-2	2.66	1606	11.38
Red	A	APC-Cy7	26454	25791	-3	3.19	728	12.42
Violet	B	V450	6737	6418	-5	3.63	447	11.15
Violet	A	V500	29317	27701	-6	3.23	947	8.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24128	2.31	561	26	N/A	N/A	Pass
Blue	F	SSC	55195	1.91	518	-3	N/A	N/A	Pass
Blue	E	FITC	56	53.22	486	2	0.0397	52	Pass
Blue	D	PE	114	37.07	489	3	0.5148	370	Pass
Blue	B	PerCP-Cy5-5	149	41.34	582	3	0.0217	118	Pass
Blue	A	PE-Cy7	79	80.87	625	4	0.0222	5	Pass
Red	C	APC	338	26.23	573	1	0.0294	256	Pass
Red	A	APC-Cy7	136	34.42	551	0	0.0062	1159	Pass
Violet	B	V450	76	47.97	444	-6	0.0717	3190	Pass
Violet	A	V500	112	34.10	463	-6	0.0266	1498	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.55	-31.31	1.12
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.53	13.90 - 20.86	N/A	N/A	29.74	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13669

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments